

# Waveguide Multiplier up to 400 GHz



## TECHNICAL SPECIFICATIONS

- **Frequency range**  
33 GHz to 400 GHz in full-band configurations
- **Waveguide standards**  
WR22 down to WR2.8 compatibility
- **High-power variants**  
Available for demanding RF applications
- **Design features**  
Optimized impedance matching and low insertion loss
- **Integration**  
Ready for lab instruments and field deployments

## APPLICATIONS

Test and Measurement Equipment: Frequency synthesis and signal generation for RF test benches and automated measurement systems operating at mmWave frequencies

Radar Systems: Chirp generation, local oscillator signal multiplication, and frequency agility for modern radar architectures

RF over Fiber: Frequency translation and upconversion for distributed antenna systems and remote RF signal delivery

5G/6G Infrastructure: Sub-6 GHz to mmWave frequency conversion supporting next-generation wireless architectures

SATCOM and Space: Compact frequency multiplication for satellite communication terminals and space-borne RF systems

Research and Development: Laboratory-grade multipliers for academic and industrial RF research at extended frequency ranges